

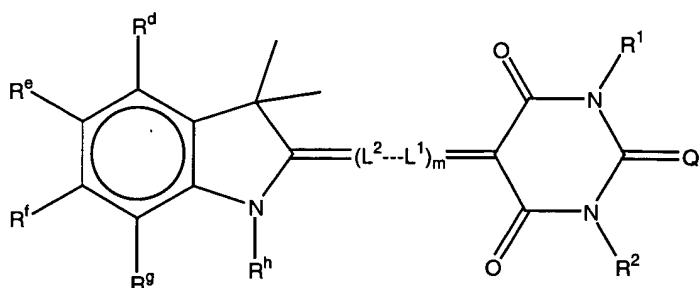
### AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

#### LISTING OF CLAIMS:

1. (currently amended): A photopolymerizable composition comprising:  
a polymerizable compound having an ethylenically unsaturated bond;  
at least one of a compound represented by formula (8):

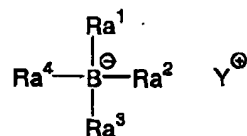
Formula (8)



wherein Q<sup>3</sup> represents an oxygen atom or sulfur atom; R<sup>1</sup> and R<sup>2</sup> each independently represents a hydrogen atom, an aliphatic group, an aromatic group, or heterocyclic group; L<sup>1</sup> and L<sup>2</sup> each independently represents a methine group which may be substituted; m represents an integer of 1 to 3; R<sup>d</sup>, R<sup>e</sup>, R<sup>f</sup> and R<sup>g</sup> each independently represents a hydrogen atom or a monovalent substituent selected from the group consisting of hydrogen, halogen, alkyl, alkoxy, alkylsulfonyl, cyano, and nitro; R<sup>h</sup> represents a hydrogen atom, an alkyl group, an alkenyl group, an aryl group or a heterocyclic group;

and an organoboron compound represented by the following formula (A):

Formula (A)

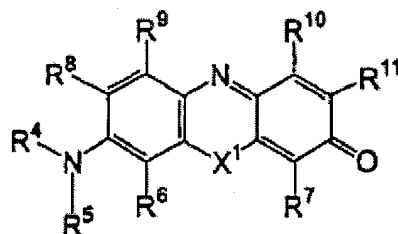


wherein  $\text{Ra}^1$ ,  $\text{Ra}^2$  and  $\text{Ra}^3$  each independently represents an aliphatic group, an aromatic group, a heterocyclic group, or  $-\text{SiRa}^5\text{Ra}^6\text{Ra}^7$  where  $\text{Ra}^5$ ,  $\text{Ra}^6$ , and  $\text{Ra}^7$  each independently represents an aliphatic group or an aromatic group;  $\text{Ra}^4$  represents an aliphatic group; and  $\text{Y}^+$  represents a group capable of forming a cation.

2. (canceled).

3. (withdrawn): A photopolymerizable composition comprising a polymerizable compound having an ethylenically unsaturated bond, a compound represented by the following general formula (2), and a compound capable of interacting with the compound represented by the following general formula (2) to generate a radical:

General formula (2)

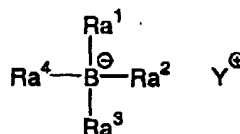


wherein  $\text{X}^1$  represents  $\text{NR}^{12}$ , a sulfur atom, a selenium atom, or an oxygen atom;  $\text{R}^4$ ,  $\text{R}^5$ , and  $\text{R}^{12}$  each independently represents a hydrogen atom, an aliphatic group, an aromatic group, or a heterocyclic group; and  $\text{R}^6$ ,  $\text{R}^7$ ,  $\text{R}^8$ ,  $\text{R}^9$ ,  $\text{R}^{10}$ , and  $\text{R}^{11}$  each independently represents a hydrogen

atom or a monovalent substituent, with the proviso that two or more selected from  $R^6$ ,  $R^7$ ,  $R^8$ ,  $R^9$ ,  $R^{10}$ ,  $R^{11}$ , and  $R^{12}$  may join together to form a ring.

4. (withdrawn): A photopolymerizable composition according to claim 3, wherein the compound capable of interacting with the compound represented by the general formula (2) to generate a radical is an organoboron compound represented by the following general formula (A):

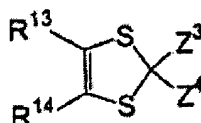
General formula (A)



wherein  $\text{Ra}^1$ ,  $\text{Ra}^2$ , and  $\text{Ra}^3$  each independently represents an aliphatic group, an aromatic group, a heterocyclic group, or  $-\text{SiRa}^5\text{Ra}^6\text{Ra}^7$  where  $\text{Ra}^5$ ,  $\text{Ra}^6$ ,  $\text{Ra}^7$  each independently represents an aliphatic group or an aromatic group;  $\text{Ra}^4$  represents an aliphatic group; and  $\text{Y}^+$  represents a group capable of forming a cation.

5. (withdrawn): A photopolymerizable composition comprising a polymerizable compound having an ethylenically unsaturated bond, a compound represented by the following general formula (3), and a compound capable of interacting with the compound represented by the following general formula (3) to generate a radical:

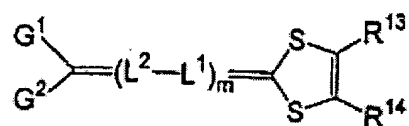
General formula (3)



wherein  $R^{13}$  and  $R^{14}$  each independently represents a hydrogen atom or a monvalent substituent;  
and  $Z^3$  and  $Z^4$  each independently represents a substituent necessary for the compound  
represented by the general formula (3) to become a dye.

6. (withdrawn): A photopolymerizable composition according to claim 5, wherein  
the compound represented by the general formula (3) is represented by the following general  
formula (5):

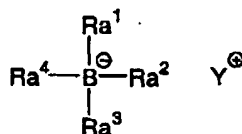
General formula (5)



wherein  $L^1$  and  $L^2$  each independently represents a methine group which may be substituted;  $m$   
represents an integer of 0 to 3; and  $G^1$  and  $G^2$  each independently represents an electron-  
withdrawing group substituent or  $G^1$  and  $G^2$  join together to form an aromatic ring or a  
heterocycle.

7. (withdrawn): A photopolymerizable composition according to claim 5, wherein  
the compound capable of interacting with the compound represented by the general formula (3)  
to generate a radical is an organoboron compound represented by the following general formula  
(A):

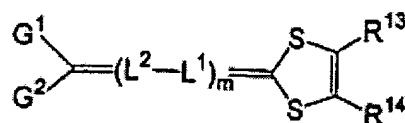
General formula (A)



wherein  $R_a^1$ ,  $R_a^2$ , and  $R_a^3$  each independently represents an aliphatic group, an aromatic group, a heterocyclic group, or  $-SiR_a^5R_a^6R_a^7$  where  $R_a^5$ ,  $R_a^6$ , and  $R_a^7$  each independently represents an aliphatic group or an aromatic group;  $R_a^4$  represents an aliphatic group; and  $Y^+$  represents a group capable of forming a cation.

8. (withdrawn): A photopolymerizable composition according to claim 7, wherein the compound represented by the general formula (3) is represented by the following general formula (5):

### General formula (5)



wherein L<sup>1</sup> and L<sup>2</sup> each independently represents a methine group which may be substituted; m represents an integer of 0 to 3; and G<sup>1</sup> and G<sup>2</sup> each independently represents an electron-withdrawing group or G<sup>1</sup> and G<sup>2</sup> join together to form an aromatic ring or heterocycle.

9. (original): A recording material comprising a support having disposed thereon a recording layer containing at least microcapsules enclosing a color-forming component and the photopolymerizable composition described in claim 1, wherein the polymerizable compound having an ethylenically unsaturated bond is a compound having a site which reacts with the color-forming component and causes the color-forming component to develop a color.

10. (original): A recording material according to claim 9 having a multilayer structure produced by laminating at least three recording layers to one another, each recording

layer being sensitive to light of a different wave length, and each recording layer developing a different color when used for recording.

11. (withdrawn): A recording material comprising a support having disposed thereon a recording layer containing at least microcapsules enclosing a color-forming component, a color-forming compound which reacts with the color-forming component to develop a color, and the photopolymerizable composition according to claim 1, wherein the polymerizable compound having an ethylenically unsaturated bond is a color formation inhibiting compound having a site which inhibits the reaction between the color-forming component and the color-forming compound.

12. (withdrawn): A recording material according to claim 11 having a multilayer structure produced by laminating at least three recording layers to one another, each recording layer being sensitive to light of a different wave length, and each recording layer developing a different color when used for recording.

13. (withdrawn): A recording material comprising a support having disposed thereon a recording layer containing at least microcapsules enclosing a color-forming component and the photopolymerizable composition according to claim 3, wherein the polymerizable compound having an ethylenically unsaturated bond is a compound having a site which reacts with the color-forming component and causes the color-forming component to develop a color.

14. (withdrawn): A recording material according to claim 13 having a multilayer structure produced by laminating at least three recording layers to one another, each recording

layer being sensitive to light of a different wave length, and each recording layer developing a different color when used for recording.

15. (withdrawn): A recording material comprising a support having disposed thereon a recording layer containing at least microcapsules enclosing a color-forming component, a color-forming compound which reacts with the color-forming component and causes the color-forming component to develop a color, and the photopolymerizable composition according to claim 3, wherein the polymerizable compound having an ethylenically unsaturated bond is a color formation inhibiting compound having a site which inhibits the reaction between the color-forming component and the color-forming compound.

16. (withdrawn): A recording material according to claim 15 having a multilayer structure produced by laminating at least three recording layers to one another, each recording layer being sensitive to light of a different wave length, and each recording layer developing a different color when used for recording.

17. (withdrawn): A recording material comprising a support having disposed thereon a recording layer containing at least microcapsules enclosing a color-forming component and the photopolymerizable composition according to claim 5, wherein the polymerizable compound having an ethylenically unsaturated bond is a compound having a site which reacts with the color-forming component and causes the color-forming component to develop a color.

18. (withdrawn): A recording material according to claim 17 having a multilayer structure produced by laminating at least three recording layers to one another, each recording

layer being sensitive to light of a different wave length, and each recording layer developing a different color when used for recording.

19. (withdrawn): A recording material comprising a support having disposed thereon a recording layer containing at least microcapsules enclosing a color-forming component, a color-forming compound which reacts with the color-forming component to develop a color, and the photopolymerizable composition according to claim 5, wherein the polymerizable compound having an ethylenically unsaturated bond is a color formation inhibiting compound having a site which inhibits the reaction between the color-forming component and the color-forming compound.

20. (withdrawn): A recording material according to claim 19 having a multilayer structure produced by laminating at least three recording layers to one another, each recording layer being sensitive to light of a different wave length, and each recording layer developing a different color when used for recording.

21. (previously presented): The composition of claim 1, wherein  $Q^3$  of formula (8) represents a sulfur atom.

22. (previously presented): The composition of claim 21, wherein at least one of  $R^d$ ,  $R^e$ ,  $R^f$  and  $R^g$  is an electron -withdrawing group.

23. (previously presented): The composition of claim 22, wherein at least one of  $R^d$ ,  $R^e$ ,  $R^f$  and  $R^g$  is a sulfonyl group.

24. (previously presented): The composition of claim 23, wherein at least one of  $R^d$ ,  $R^e$ ,  $R^f$  and  $R^g$  is a sufonyl alkyl group.